

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                                                                        |                                                     |
|----------------------------------------------------------------------------------------|-----------------------------------------------------|
| In re Application of: Han et al.                                                       | Group Art Unit: Unknown                             |
| Application No: Unknown                                                                | Examiner: Unknown                                   |
| Confirmation No: Unknown                                                               | Attorney Docket No:<br>003330 USA P01/ETCH/METAL/JB |
| Filed: Herewith                                                                        | March 31, 2004<br>San Francisco, California         |
| Title: PROCESS CHAMBER COMPONENT<br>HAVING ELECTROPLATED YTTRIUM<br>CONTAINING COATING |                                                     |

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Attached hereto is a PTO-1449 or PTO-SB08 forms listing documents believed relevant to the subject application. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of the form be returned to the undersigned.

Applicant believes this Information Disclosure Statement should be considered by the Office because it is being filed before the mailing of a first Office Action on the merits.

It is believed that no fee is due for the filing of this Information Disclosure Statement. However, if any fee is due, the Commissioner is hereby authorized to charge payment of any such fees to Deposit Account No. 10-0258.

Also, if any Petition is required for the filing of this Information Disclosure Statement, such Petition is requested herein.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail class mail in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office at (703) 872-9306 on the date shown below.

By: EV341109460 US

Date: APRIL 13 2004

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

Except for US patents and published applications, a copy of each document is enclosed.

Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

With regard to any translations which may be provided herewith, the undersigned does not know how the translations were made, or by whom the translations were made. Therefore, no representation is being made as to the accuracy of any translation.

These documents are not necessarily analogous.

Respectfully submitted,  
JANAH & ASSOCIATES, P.C.

Date: 3/30/2004

By:

  
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Reg. No. 37,487

Please direct all telephone calls to:

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Santa Clara, CA 95052

Encl.

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

|                        |                              |
|------------------------|------------------------------|
| Application Number     | Unknown                      |
| Filing Date            | Herewith                     |
| First Named Inventor   | Han                          |
| Art Unit               | Unknown                      |
| Examiner Name          | Unknown                      |
| Attorney Docket Number | 003330 USA PO1/ETCH/METAL/JB |

Sheet 1 of 3

### U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|-------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | US- 4244743                                                 | 01/13/1981                     | Blackburn et al.                                   |                                                                                 |
|                    |                       | US- 4433004                                                 | 02/21/1984                     | Toshio et al.                                      |                                                                                 |
|                    |                       | US- 4743493                                                 | 05/10/1988                     | Siohansi et al.                                    |                                                                                 |
|                    |                       | US- 4897315                                                 | 1/30/1990                      | Gupta                                              |                                                                                 |
|                    |                       | US- 4910092                                                 | 03/20/1990                     | Olson et al.                                       |                                                                                 |
|                    |                       | US- 4933239                                                 | 06/12/1990                     | Olson et al.                                       |                                                                                 |
|                    |                       | US- 4939308                                                 | 07/03/1990                     | Maxfield et al.                                    |                                                                                 |
|                    |                       | US- 4973445                                                 | 11/27/1990                     | Singheiser et al.                                  |                                                                                 |
|                    |                       | US- 5244875                                                 | 09/14/1993                     | Hauser et al.                                      |                                                                                 |
|                    |                       | US- 5366585                                                 | 11/22/1994                     | Robertson et al.                                   |                                                                                 |
|                    |                       | US- 5470820                                                 | 11/28/1995                     | Hauser et al.                                      |                                                                                 |
|                    |                       | US- 5498313                                                 | 03/12/1996                     | Bailey et al.                                      |                                                                                 |
|                    |                       | US- 5624632                                                 | 04/29/1997                     | Baumann et al.                                     |                                                                                 |
|                    |                       | US- 5680013                                                 | 10/21/1997                     | Dornfet et al.                                     |                                                                                 |
|                    |                       | US- 5753044                                                 | 05/19/1998                     | Hanawa et al.                                      |                                                                                 |
|                    |                       | US- 5798016                                                 | 08/25/1998                     | Oehrlein et al.                                    |                                                                                 |
|                    |                       | US- 5807613                                                 | 09/15/1998                     | Maria et al.                                       |                                                                                 |
|                    |                       | US- 5824205                                                 | 10/20/1998                     | Foster                                             |                                                                                 |
|                    |                       | US- 5833829                                                 | 11/10/1998                     | Foster                                             |                                                                                 |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                    |                       | JP-59205468                                                                                                | 11/21/1984                     | Nat'l Res Inst                                     | Abstract                                                                        |                |
|                    |                       | JP-62174377                                                                                                | 7/31/1987                      | Mitsubishi Heav                                    | Abstract                                                                        |                |
|                    |                       | PCT-9814980                                                                                                | 04/09/1998                     | Lam Research                                       |                                                                                 |                |
|                    |                       | DE-9421671                                                                                                 | 08/22/1996                     | Siemens                                            |                                                                                 | ✓              |
|                    |                       | EP-0849767-A2                                                                                              | 06/24/1998                     | Applied Materia                                    |                                                                                 |                |
|                    |                       | DE-3543802-A1                                                                                              | 06/19/1987                     | BBC AK                                             |                                                                                 |                |

Examiner  
Signature

Date  
Considered

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|-------|---|----|---|
| Sheet | 2 | of | 3 |
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| FOREIGN PATENT DOCUMENTS |                          |                                                                                 |                     |                                                    |                                                                                 |                |
|--------------------------|--------------------------|---------------------------------------------------------------------------------|---------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document                                                         | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |                                                    |                                                                                 |                |
|                          |                          | JP-2000-096176                                                                  | 04/04/2000          | Sumitomo                                           | Abstract                                                                        |                |
|                          |                          | EP-0997546-A1                                                                   | 05/03/2000          | Sumitomo                                           |                                                                                 |                |
|                          |                          | JP-04333573                                                                     | 11/20/1992          | Canon Inc.                                         | Abstract                                                                        |                |
|                          |                          | JP-2000-164572                                                                  | 06/16/2000          | Kyocera Corp                                       | Abstract                                                                        |                |
|                          |                          | JP-11029378-A2                                                                  | 02-02-1999          | Chichibu Onodo                                     | Abstract                                                                        |                |
|                          |                          | JP-10067554                                                                     | 03/10/1998          | Kyocera Corp                                       | Abstract                                                                        |                |

Date  
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|                                                                                                                                       |      | Application Number       | Unknown                      |
|                                                                                                                                       |      | Filing Date              | Herewith                     |
|                                                                                                                                       |      | First Named Inventor     | Han                          |
|                                                                                                                                       |      | Art Unit                 | Unknown                      |
|                                                                                                                                       |      | Examiner Name            | Unknown                      |
| Sheet 3                                                                                                                               | of 3 | Attorney Docket Number   | 003330 USA PO1/ETCH/METAL/JB |

| NON PATENT LITERATURE DOCUMENTS |                       |                                                                                                                                                                                                                                                                                        |                |
|---------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                        | T <sup>2</sup> |
|                                 |                       | An article titled, "The evolution of DRAM cell technology," Solid State Technology 89-101 (May 1997), El-kareh et al.                                                                                                                                                                  |                |
|                                 |                       | PCT Communication dated 11/25/1999, European Patent Office, P.B. 5818 Patentlaan, NL-2280 HV Rijwik                                                                                                                                                                                    |                |
|                                 |                       | Hart, Anthony C, "Alloy plating problem cracked" Nickel Magazine, June 1998                                                                                                                                                                                                            |                |
|                                 |                       | Praxair, Tribomet MCrAlY Coatings, Praxair Surface Technologies, Ltd, 2002, Available at <a href="http://www.praxair.com/praxair.nsf/d63afe71c771b0d785256519006c5eal/cccb361d6209c12b/\$">http://www.praxair.com/praxair.nsf/d63afe71c771b0d785256519006c5eal/cccb361d6209c12b/\$</a> |                |
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